What is claimed is:

1. A method of determining a pitch period, comprising:
    determining a first primary peak of an input signal; and
    determining a second primary peak of the input signal by locating a maximum peak from a series of peaks centered a period of time, equal to a prior pitch period, from the first primary peak.

2. The method of claim 1 wherein the input signal is a quasi-periodic waveform.

3. The method of claim 2 wherein the quasi-periodic signal is a speech waveform.

4. The method of claim 1 wherein the series of peaks comprises six peaks.

5. The method of claim 1, further comprising:
    setting a buffer length.

6. The method of claim 5, further comprising:
    setting a vector length.

7. The method of claim 5 wherein the buffer length comprises 20 sample points at 8 kHz in a speech signal.

8. The method of claim 6 wherein the vector length comprises 120 sample points at 8 kHz in a speech signal.

9.    The method of claim 1, further comprising:

designating the second primary peak as a first primary peak of a second pitch period subsequent to the pitch period.

5       10.    The method of claim 1 wherein the prior pitch period length is determined from taking a cepstrum of waveforms prior to the pitch period.

11.    The method of claim 1, further comprising:

10      generating a vector of each pitch period.

12.    An article comprising a machine-readable medium that stores executable instructions for determining a pitch period, the instructions causing a machine to:

15      determine a first primary peak of an input signal; and

determine a second primary peak of the input signal by locating a maximum peak from a series of peaks centered a period of time, equal to a prior pitch period, after the first primary peak.

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13.    The article of claim 12 wherein the input signal is a quasi-periodic waveform.

14.    The article of claim 13 wherein the quasi-periodic

25      signal is a speech waveform.

15.    The article of claim 12 wherein the series of peaks comprises six peaks.

30      16.    The article of claim 12, further comprising instructions causing the machine to:

set a buffer length.

17.  The article of claim 16, further comprising instructions causing the machine to:

5        set a vector length.

18.  The article of claim 16 wherein the buffer length comprises 20 sample points at 8 kHz in a speech signal.

10      19.  The article of claim 17 wherein the vector length comprises 120 sample points at 8 kHz in a speech signal.

20.  The article of claim 12, further comprising instructions causing the machine to:

15        designate the second primary peak as a first primary peak of a second pitch period subsequent to the pitch period.

21.  The article of claim 17 wherein the prior pitch period is determined from taking a cepstrum of waveforms prior 20      to the pitch period.

22.  The article of claim 12, further comprising instructions causing the machine to:
        generate a vector of each pitch period.

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23.  An apparatus comprising:
        a memory that stores executable instructions for determining a pitch period; and
        a processor that executes the instructions to:
30        determine a first primary peak of an input signal; and

determine a second primary peak of the input signal
by locating a maximum peak from a series of peaks
centered a period of time, equal to a prior pitch period,
after the first primary peak.

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24.  The apparatus of claim 23 wherein the input signal
is a quasi-periodic waveform.

25.  The apparatus of claim 24 wherein the quasi-periodic
10  signal is a speech waveform.

26.  The apparatus of claim 23 wherein the series of
peaks comprises six peaks.

15  27.  The apparatus of claim 23 wherein the processor
executes the instructions to:
    set a buffer length.

28.  The apparatus of claim 27 wherein the processor
20  executes the instructions to:
    set a vector length.

29.  The apparatus of claim 27 wherein the buffer length
comprises 20 sample points at 8 kHz in a speech signal.

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30.  The apparatus of claim 28 wherein the vector length
comprises 120 sample points at 8 kHz in a speech signal.

31.  The apparatus of claim 23 wherein the processor
30  executes the instructions to:

designate the second primary peak as a first primary peak of a second pitch period subsequent to the pitch period.

32.  The apparatus of claim 28 wherein the prior pitch period is determined from taking a cepstrum of waveforms prior to the pitch period.

33.  The apparatus of claim 23 wherein the processor executes the instructions to:

generate a vector of each pitch period.